

DATAMASTER®

CENTRAL ADSL LINE FILTER/SPLITTER MODEL K2322



General Information

ADSL

ADSL (Asymmetric Digital Subscriber Line) is a service that uses your existing telephone line to provide a broadband service, allowing both the telephone line and the high speed Internet connection to be used simultaneously.

ADSL Central Filter/Splitter - K2322

The ADSL modem must have a direct unfiltered connection to the telephone line. In addition to providing this direct connection for the ADSL modem, the Filter/Splitter also provides one (or more) filtered connections for other devices. The K2322 Central ADSL line Filter/Splitter allows up to four devices (telephones, fax/modems, cordless phones etc) to be connected without the use of additional Micro Filters.

ADSL In-line Micro Filter - K2310

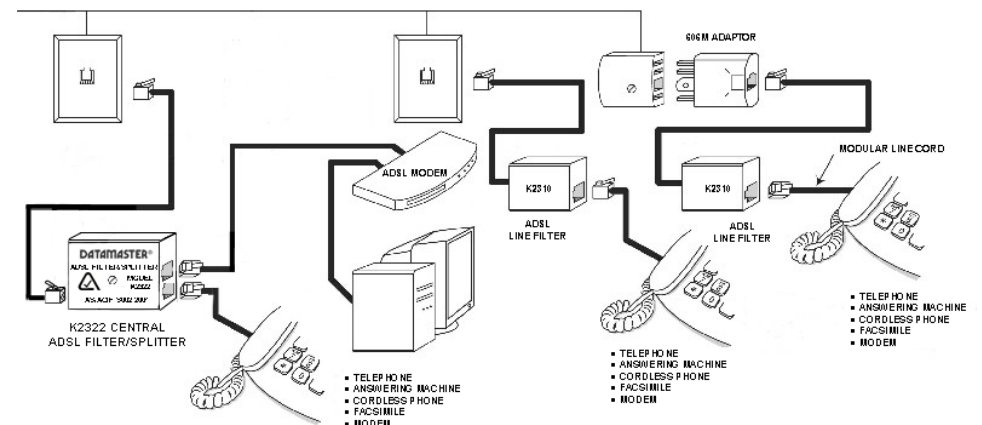
An ADSL in-line Micro Filter separates the telephone service from the ADSL data. Without ADSL in-line Micro Filters, your voice calls will receive interference when ADSL data is being transmitted. One ADSL in-line Micro Filter is required between each telephone device (including but not limited to fax machines, fax/modems, answering machines, cordless phones and alarm dialers) and the telephone wall outlet. Micro Filters are required for each device not directly connected to the K2322 Central ADSL Line Filter/Splitter.

Plug-in Installation Instructions

1. Mount the Filter/Splitter to a suitable clean, dry, flat surface using the double-sided tape provided.
2. Disconnect the telephone from its wall socket and use a Modular Line Cord to connect the telephone line socket on the wall to the **LINE** socket on the ADSL Filter/Splitter. Our 605M Modular Plug Adaptor may also be required if your wall socket is the older 610 type.
3. Use a second modular line cord to connect the ADSL modem to the **MODEM** socket on the ADSL Filter/Splitter.
4. Plug the telephone's modular line cord into the **PHONE** socket on the ADSL Filter/Splitter. A 610M Modular Socket Adaptor may be needed to convert an older style 606 telephone plug to modular. Up to four devices (telephone, fax, alarm dialer, cable TV box etc) may be connected to the **PHONE** socket on the ADSL Filter/Splitter using appropriate adaptors and cables.



Installation of the Filter/Splitter is now complete. If a fax, alarm panel, cable TV box, additional telephones or any other equipment is connected directly to the telephone line via additional individual sockets, a K2310 ADSL Micro Filter will need to be installed for each device or telephone.



IDC Installation Instructions (Technician's Only)

As an alternative to the external modular sockets, the K2322 Central ADSL line Filter/ Splitter can be hard-wired by a qualified technician using the internal IDC punch-tool connections.

TOOLS REQUIRED

Internal connections are accessed by loosening the screw in the centre of the rating plate and removing the lid. The lid screw remains captive. Internal IDC connections are compatible with a Krone tool. Do not double-jumper and ensure that trimmed conductor tips and cleared from the PCB.

LOCATION

The Central ADSL line Filter/Splitter is designed to replace the 1st telephone socket which is normally the network boundary point in a residential installation.

CABLE ENTRY

Premises-cable entry is via two knockouts on the rear panel to allow for concealed entry of in-cavity wiring. A further eight knockouts positioned around the sides of the lid and bottom allow surface cabling entry from three sides. Some (or all) of the modular sockets may be used as alternative to the hard-wired internal terminations.

MOUNTING

To ensure maximum compatibility with existing installations, the two sets of rear knock-outs for screw mounting and cable entry are aligned exactly with 610 telephone socket mounting and cable entry holes. The PCB should be removed from its clips to access the mounting-screw holes. Ensure that flat headed screws are used to prevent contact with PCB tracks. Double-sided tape is provided to eliminate the need for screws when mounting to a clean, dry and flat surface.

EXCHANGE LINE CONNECTION

The incoming telephone exchange line can be connected to either the internal **LINE** terminals OR the external modular **LINE** socket.

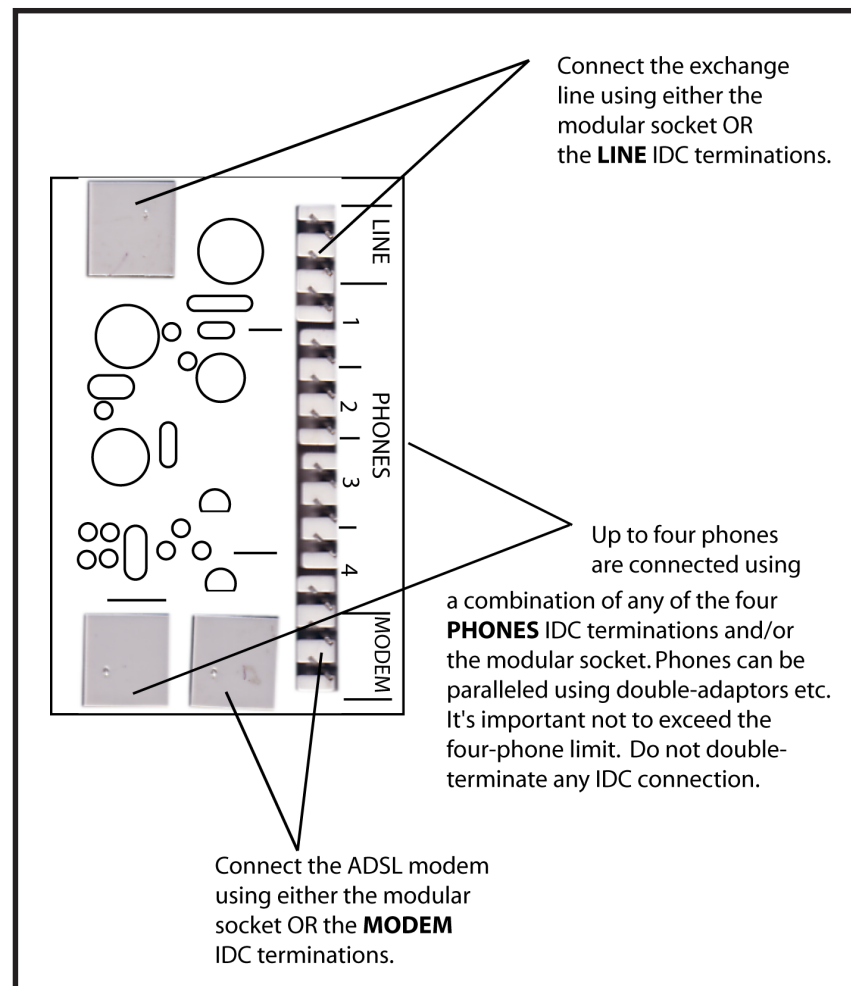
ADSL MODEM CONNECTION (unfiltered)

The ADSL modem can be connected to either the internal **MODEM** terminals OR the external modular **MODEM** socket.

TELEPHONE CONNECTIONS (filtered)

Separate internal terminal pairs & are provided to connect a maximum of 4 filtered extensions for telephones/devices. Note that only 3 of these pairs should be used if the external modular **PHONE** socket is also being used. An alarm panel, fax, pay TV box etc can also be connected to one of these pairs provided only a total of 4 devices are connected.

CONNECTION DIAGRAM



AS/ACIF S002:2001 (Including Amendment)